

09/423368

|                      |          |
|----------------------|----------|
| 226                  | 172      |
| Class                | Subclass |
| ISSUE CLASSIFICATION |          |



PATENT NUMBER

6439445



## U.S. UTILITY PATENT APPLICATION

② *BS*  
SCANNED *AA* Q.A. *RG*

PATENT DATE

AUG 27 2002

|        |            |            |             |                  |
|--------|------------|------------|-------------|------------------|
| SECTOR | CLASS      | SUBCLASS   | ART UNIT    | EXAMINER         |
|        | <i>226</i> | <i>172</i> | <i>3654</i> | <i>J. MANSEN</i> |

FILED WITH:  DISK (CRF)  FICHE

(Attached in pocket on right inside flap)

## PREPARED AND APPROVED FOR ISSUE

## ISSUING CLASSIFICATION

| ORIGINAL                     |            | CROSS REFERENCE(S) |                                   |            |            |
|------------------------------|------------|--------------------|-----------------------------------|------------|------------|
| CLASS                        | SUBCLASS   | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |            |            |
| <i>226</i>                   | <i>172</i> | <i>226</i>         | <i>172</i>                        | <i>190</i> | <i>195</i> |
| INTERNATIONAL CLASSIFICATION |            | <i>405</i>         | <i>168.40</i>                     |            |            |
| <i>F16L 1/12</i>             |            |                    |                                   |            |            |
| <i>E65H 20/00</i>            |            |                    |                                   |            |            |
| <i>E65H 23/08</i>            |            |                    |                                   |            |            |
|                              |            |                    |                                   |            |            |
|                              |            |                    |                                   |            |            |

 Continued on Issue Slip Inside File Jacket

| TERMINAL DISCLAIMER   | DRAWINGS  |             |            | CLAIMS ALLOWED  |                      |
|---|---|-------------|------------|---|----------------------|
|   | Sheets Drwg.  | Figs. Drwg. | Print Fig. | Total Claims  | Print Claim for O.G. |
|   | <i>3</i>  | <i>6</i>    | <i>5</i>   | <i>8</i>  | <i>1</i>             |
| <input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed.                     | (Assistant Examiner) _____<br>(Date) _____  |             |            | NOTICE OF ALLOWANCE MAILED<br><i>413102</i>                             |                      |
| <input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S Patent No. _____ | <i>Michael R. Mansen</i><br>MICHAEL R. MANSEN<br>PRIMARY EXAMINER<br>(Primary Examiner) _____<br>(Date) _____ |             |            | ISSUE FEE<br><i>6</i><br>Amount Due <i>1200</i> Date Paid <i>7-3-02</i> |                      |
| <input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.                              | <i>S. Moreland</i><br>S. Moreland<br>(Legal Instruments Examiner) _____<br>(Date) _____                       |             |            | ISSUE BATCH NUMBER<br><i>14101</i>                                      |                      |

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Form PTO-436A  
(Rev. 10/97)

Formal Drawings ( \_\_\_\_\_ shts) set \_\_\_\_\_

(LABEL AREA)

(FACE)